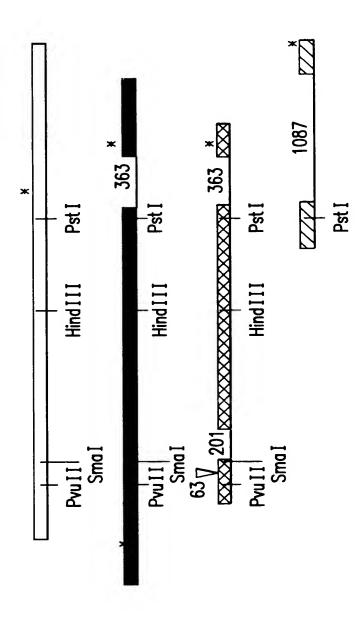
HIPPOCAMPUS NMDA10 14009 BPI

HIPPOCAMPUS NMDA11 14000 BPI

HIPPOCAMPUS NMDA7 13032 BPI HIPPOCAMPUS NMDA3 1590 BPI



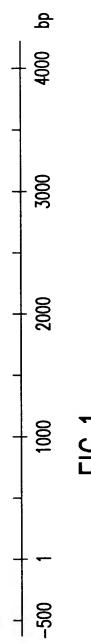


FIG. 1

HUMAN NMDAR1A CONSTRUCTS

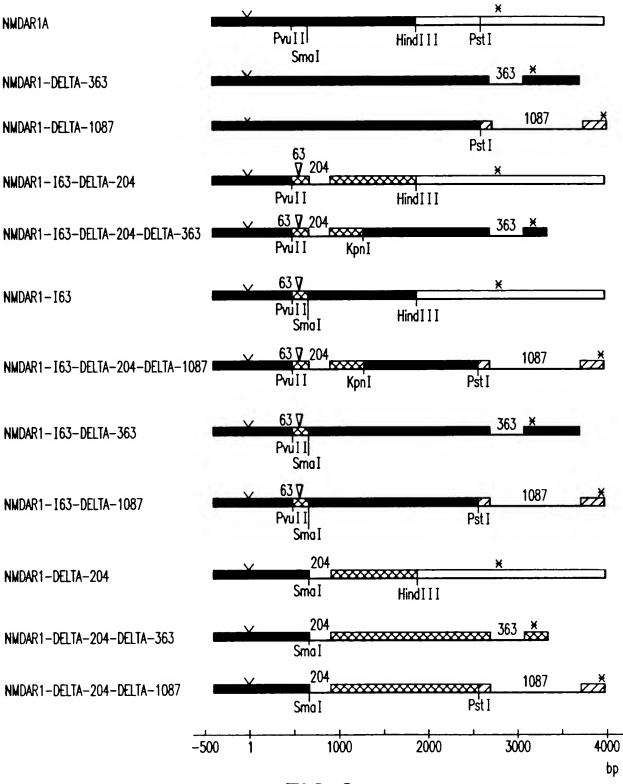


FIG.2

NUCLEOTIDE SEQUENCE OF THE HUMAN IMPARIA RECEPTOR

cettecete gaccaacate ecaggacege caetecagaga gagacatage ateegeagee eaegagageeg agegagegea gaacgeeeg gaageeeege ccagccaggc attcagaact atgcccagcc ccacttcagc accacagaca acgccagcca catagagacta agcgccaagc cccagcaca gcttcagccc - START ₽

gggggatgeg cegagggece egegttegeg cegegeagag ceaggecege ggecegagec cATGASCACC ATGOSCOTGC TGACSTOCC CCTGCTGTTC TCCTGCTCCC TCSCCCSTGC CGCGASCACA CCCCCCTGC TCSCCCCTGC CCCCAACATCC TCAACATTGC CGCCCTGCTGC ACCACGCCAA AGCACGAGCA CATGTTCCCC CAACCCCTGA ACCAGECEAA CAAGGGGCAC GECTECTGGA AGATTCAGET CAATGECAGE TCCGTCACCE ACAAGECECAA CGCCATCCGG ATGECTCTGT CGGTGTGCCA GGACCICATC TCCAGCCAGG ICTAGGCCAT CCTAGITAGC CATCCACCTA CCCCAAGGA CCACITCACT CCCACCCTG ICTCCTACAC AGCCGCCTTC TACCGCATAC CCGTGCTGGG GCTGACCACC CGCATGTCCA TCTACTCGGA CAAGAGCATC CACCTGAGCT TCCTGCGCAC CSTGCCGCCC TACTCCCACC 55 401

ACTOCAGOCT CTGCTITGAG ATGATCOCTG ICTACAGCTG GAACCACATC ATCCTGCTGG TCAGOCACCA CCACSAGGGC CGGCCGCCTC AGAAACGCCT -63 bp INSERT Pvu II 701

801 GCAGACCCTG CTCCACCACC GTGACTCCAA GCCACACAAG GTGCTGCAGT TTGACCCAGG GACCAAGAAC GTGACGCCC TGCTGATGGA GGCCAAAAGAG

CTGGAGGÓCC GGÓTCATCAT CCTTTCTGCC AGCGAGGACA ATGCTGCCAC TGTATACCGC GCAGCCGCAA TGCTGAACAT GACGGGCTCC GGGTACCTGT

DELETION

GECTGETOSE CEACOSCISA ÁTCTOSCISA ACECOCTGOS CTACISCICA GACISCATO TOSGISTICA GETCATICAAC GECAAGAACIS AGTOGISTICA ATCTGGAAGA CCCGCCCCC CTTCAAGAGA GTGCTGATGT CTTCCAAGTA TGCCGATGGG GTGACTGGTC GCCTGCAGTT CAATGACGAT GGGACCCCGA CATCAGOGAC GCOSTGGGC TGGTGGCCCA GCCGSTGCAC GAGCTCCTCS AGAAGGAGAA CATCACCGAC COGOGGGGG GCTGCGTGGG CAACACCAAC AGTICOCCAA CIACAGCAIC ATGAACCIGC AGAACCSCAA GCIGGIGCAA GIGGGCAICI ACAATGGCAC CCACGICAIC CCIAAIGACA GGAAGAICAI

GGACCCCTTC ACCCCTTCG GCCGCTTCAA GGTGAACAGC GAGGAGGAGG ACGAGGACC ACTGACCCTG TCCTCGGCCCA TGTGGTTCTC CTGGGGCCTC CTGGCCAGGC GCAGAGACAG AGAAGCCTCG AGGCTACCAG ATGTCCACCA GACTGAAGAT TGTGACGATC CACCAGGAGC CCTTCGTGTA CGTCAAGCCC ACCTGAGTG ATGGGACATG CAAGGAGGAG TTCACAGTCA ACCGCGACCC AGTCAAGAAG GTGATCTGCA CCGGGCCAA CGACACCTCG CCGGGCAGCC COCCCCACAC GETGCCTCAG TGTTGCTACS GCTTTTGCAT CSACCTGCTC ATCAAGCTGG CACGGACCAT GAACTTCACC TACSAGETGC ACCTGGTGGC AGATGGCAAG TTCGGCACAC AGGAGCGGGT GAACAACAGC AACAAGAAGG AGTGGAATGG GATGATGGGC GAGCTGCTCA GCGGGCAGGC AGACATGATC STGCCCCCCC TAACCATAAA CAACCAGCCC GCCCAGTACA TCGAGTTTTC CAAGCCCTTC AAGTACCAGG GCCTGACTAT ICTGGTCAAG AAGGAGATTC CCCCSAGCAC GCTGGACTCC TTCATGCAGC CSTTCCAGAG CACACTGTGG CTGCTGGTGG GGCTGTCGGT GCACGTGGTG GCCCTGATGC TGTACCTGCT r Kon h

FIG.3A

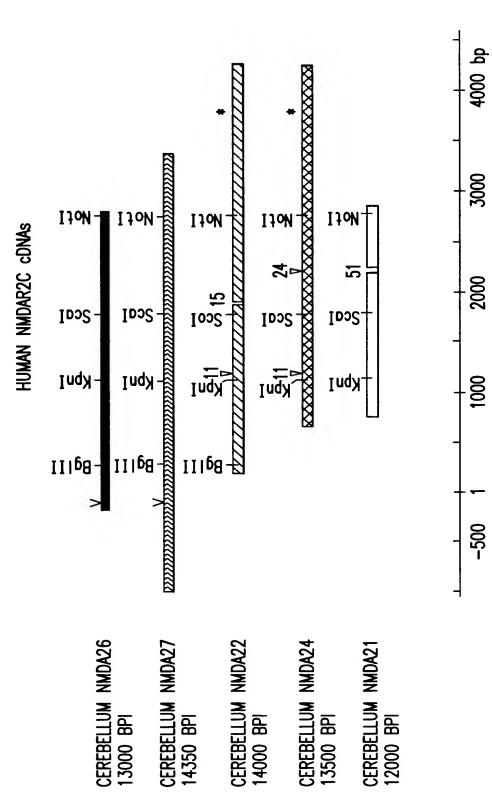
HindIII

CCATCCAGGC OSTGAGAGAC AACAAGCTGC ATGCCTTCAT CTGGGACTOG GOGGTGCTGG AGTTOGAGGC CTCGCAGAAG TGCSACCTGG CCACATGEC TICATGGAAG ACCTGGACAA GACGTGGGTT CGGTATCAGG AATGTGACTC GCCCAGCAAC GCCCTGCCA CCCTTACTIT TGAGAACATG CCTGGCGGCC TTCCTGGTGC TGGACCGGCC GGAGGAGCGC ATCACGGGCA TCAACGACCC TCGGCTGAGG AACCCCTCGG ACAAGTTTAT CTACCCCACS GTGAAGCAGA GCTCCSTGGA TATCTACTTC CGCCCCAGG TGGAGCTGAG CACCATGTAC CGGCATATGG AGAAGCACAA CTACSAGAGT SCOSSISTE TCATGCTGST ACTIGGGGGC ATOSTGGCOG GGATCTTCCT CATTITCATC GAGATTGCCT ACAAGOGGCA CAAGGATGCT OSCOSSAAGC CTGCTCAACT COSCATOGG GGAAGGCGCC CCCAGAAGCT TCTCAGCGCG CATCCTGGGC ATGGTGTGGG COSGCTTTGC CATGATCATC GTGGCCTCCT CAAGTCCCA IGACSACTGG AGAGCTGTTT TTCCSCTCGG GCTTCGGCAT AGGCATGCGC AAAGACAGCC CCTGGAAGCA GAACGTCTCC CTGTCCATCC ACACCCCCAA 300000CAGG 2401 2501 2601 2301

ccaccegoce gococogoco togotocogga tgogtgacog gocogocoaco ttgtacagaa ccagoactoc cagagocoga gogogtgoct tococgtgog cagocogogot etgococtoc gtococagga tgoaggogog cacogocoaa cococacoto coggtgatatg cagtggtgat goctaaagga atgtoacg FAGGETATE ACCTOCACCE TGGETTCCAG CTTCAAGAGG CSTAGGTCCT CCAAAGACAC GAGCACGGG GGTGGACGC GTGCTTTGCA AAACCAAAAA gagteggetg ggeagggeeg eagggegete eggeagagge aggeeeetgg ggtetetgag eagtggggag egggggetaa etgeeeeeag geggagggge tgtctgtgta tttctatttt gcagcagtac catcccactg atatcacggg cccgctcaac ctctcagatc cctcggtcag caccgtggtg ltgdggcccc ggaggegece aectgeceag ttagecegge caaggacaet gatgggteet getgeteggg aaggeetgag ggaageecae eegeeecaga gaetgeecae GACACAGIGC TGCCSCSACS CGCTATTGAG AGGSACSACS GCCAGCTGCA GCTGTTCC CGTCATAGGG AGAGGTGAga ctcccgccc gccctcctct cctgggcctc ccgtccgtcc gcccgcccac cccgctgcct ggcgggcagc ccctgctgga ccaaggtgcg gaccggagcg gctgaggacg gggcagagct gocotococo aeggeegtee etgaettece agetggeage geetecegee geetegggee geetecteca gaategagag ggetgageee etecteteet tiggagcaga gacggcagcc ccatccitcc cgcagcacca gccigagcca cagiggggcc caiggcccca gciggciggg icgcccicc icgggcgcci gegeteetet geageetgag etecaecete ecetettett geggeacege ecaecaaaca eceegtetge ecettgaege caeaegeegg ggetggeget AGATECAGET GECETTIGCE GCOSTIAAOS TGTGECOSGAA GAACÉTGCAG GATACAAAGA GTGGTAGAGC AGAGCCTGAC CCTAAAAAGA AAGCCACATI ctececcagg etgegectge cegecegeeg gttggeegge tggeeggtee acceegteee ggeecegege gtgeeceag egtggggeta aegggegeet <u>8</u> 3101 3301 3701 3201 3801 3401 3501 3601 3901

1087 bp DELETION

FIG.3B



1 1000 2000 3000 FIG.4

CONSTRUCTION OF THE FULL-LENGTH HUMAN NMDAR2C cDNAs

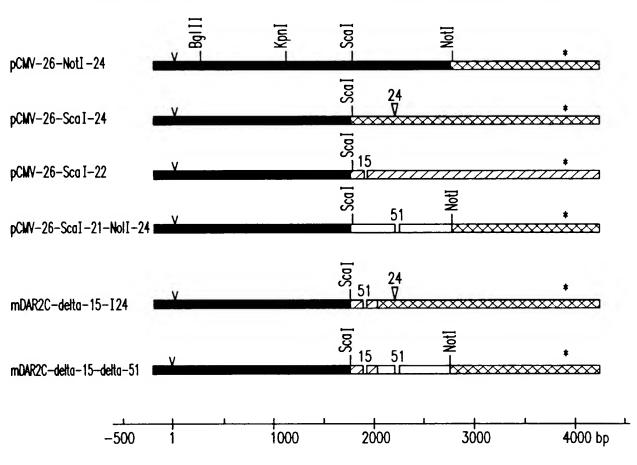


FIG.5

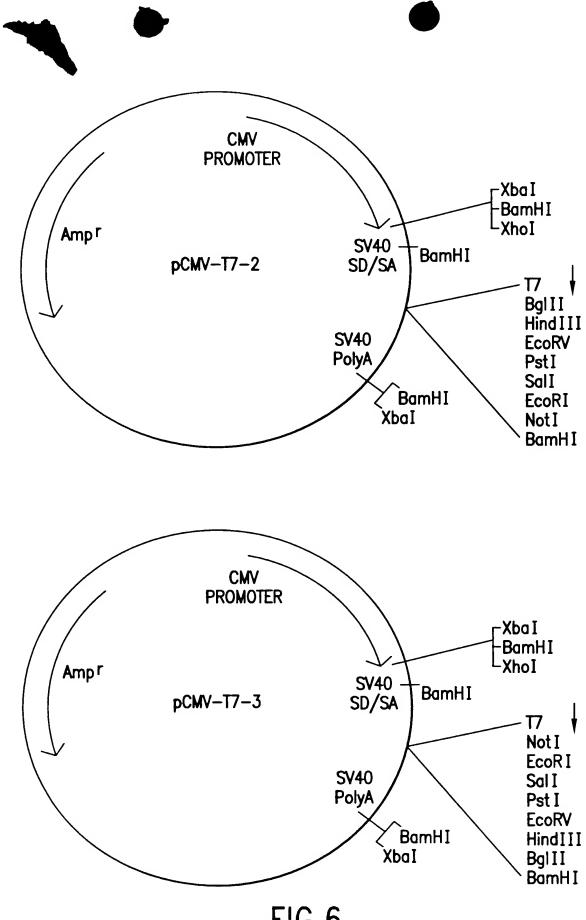


FIG.6